

Special Issue

Biobased Polymers for Packaging Applications

Message from the Guest Editor

In recent years both academic and industrial research in the field of plastic packaging is strongly oriented towards a green routes. The growing concerns of consumers regarding global warming and the environmental legislation and regulation even more propelling for the development of environmentally friendly materials with a low carbon footprint, are increasingly encouraging the research to a green chemistry. In this case becomes imperative to decrease the demands for resources and energy, control wastes, minimize the gas emission, reduce the environmental pollution, optimize the product processes and finally make effective the wastes recycling. One interesting route is to utilize renewable monomers, coming from renewable feedstock, which are polymerized with conventional melt or gas phase processes. Obtained bio-based polymers have the advantages to be low carbon footprint materials, with the recycling possibility, obtained by solvent free polymerization processes with energy effectiveness.

Guest Editor

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